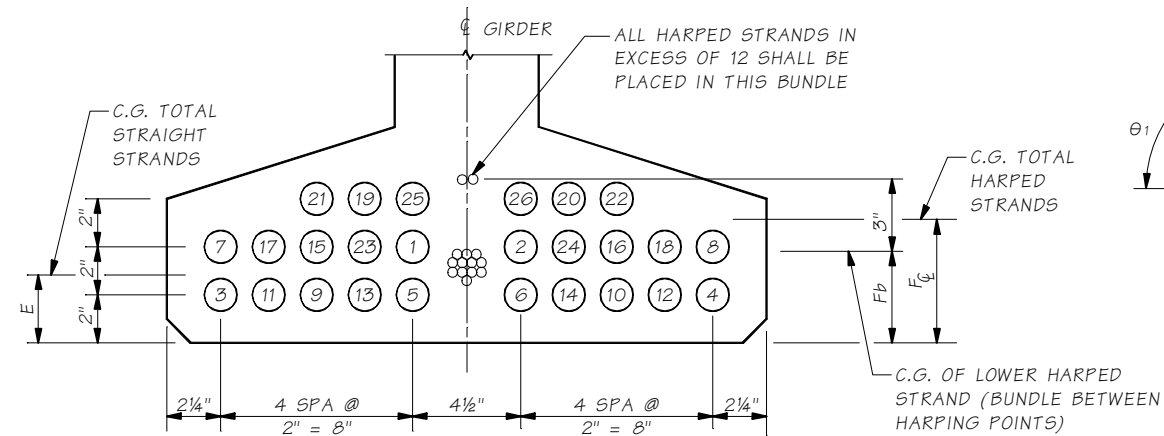


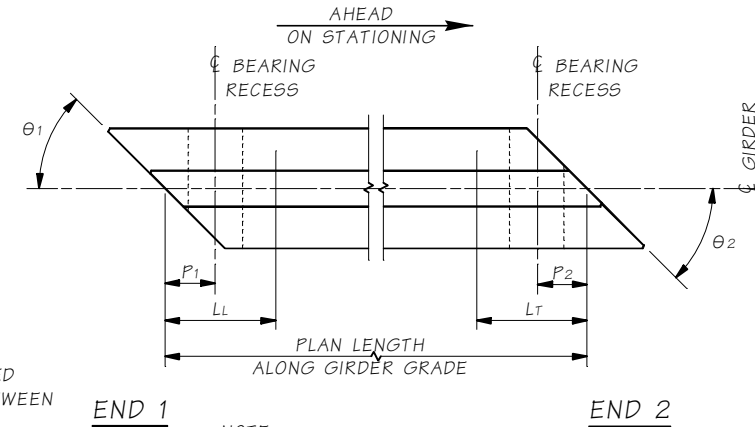
### STRAND PATTERN AT GIRDER END

HARPED STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1), (2) ETC.



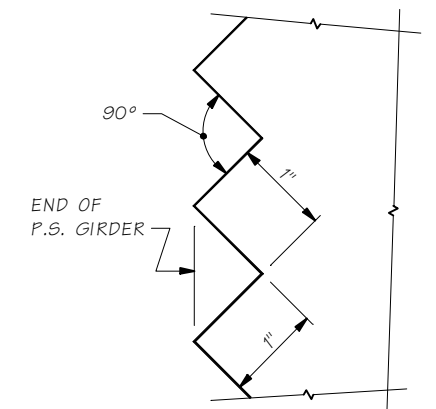
### STRAND PATTERN AT $\phi$ SPAN

STRAIGHT STRAND LOCATION SEQUENCE SHALL BE AS SHOWN (1), (2) ETC.



NOTE:  
LL AND LT ARE SHIPPING SUPPORT LOCATIONS AT LEADING AND TRAILING ENDS, RESPECTIVELY.

### GIRDER SCHEDULE



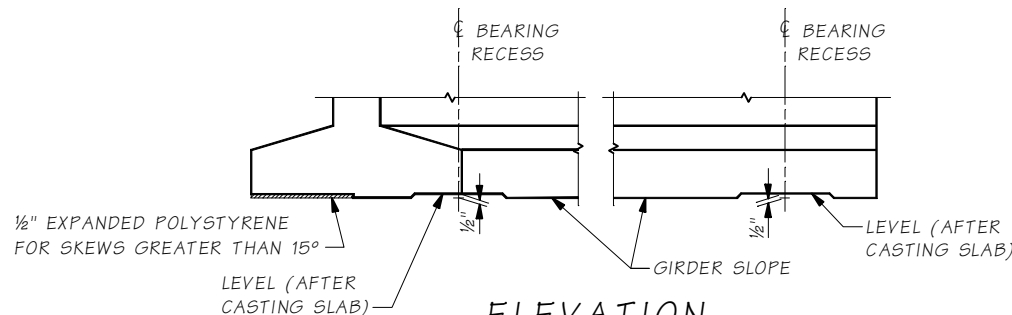
### SAWTOOTH DETAILS

SAWTEETH ARE FULL WIDTH - USE SAWTOOTH KEYS FROM BOTTOM OF BOTTOM FLANGE TO BOTTOM OF LOWEST HARPED STRAND AS WELL AS TOP FLANGE ADJACENT TO HARPED STRANDS AS SHOWN IN VIEW B - GIRDER DETAILS 1 OF 2

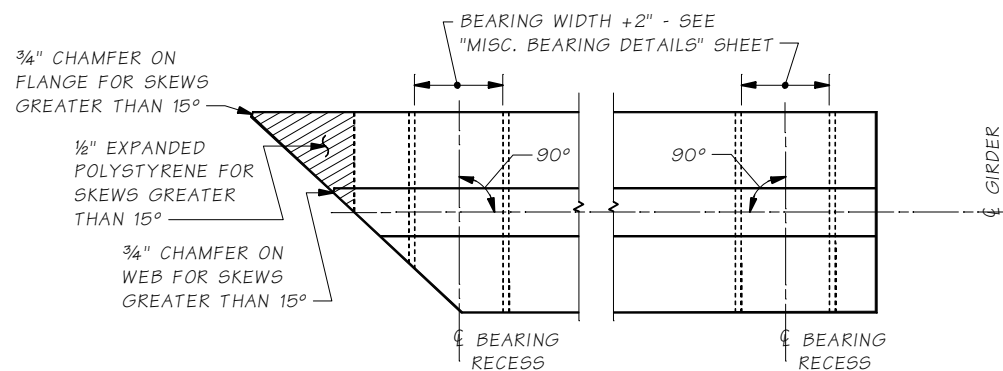
DIMENSION "A" AT $\phi$ BEARINGS =												BASED ON GIRDER DEFLECTION = "D" AT TIME OF SLAB PLACEMENT (120 DAYS)													
SPAN	GIRDER	END 1 TYPE	END 2 TYPE	L	LL	LT	$\theta_1$ (DEG.)	$\theta_2$ (DEG.)	P <sub>1</sub>	P <sub>2</sub>	PLAN LENGTH (ALONG GIRDER GRADE)	MIN. CONC. COMP. STRENGTH		HARPED		STRAIGHT		LOCATION OF C.G. STRANDS				C	D @ 40 DAYS	D @ 120 DAYS	L <sub>d</sub>
												@ FINAL F'C (KSI)	@ RELEASE F'C (KSI)	NO. OF STRANDS	JACKING FORCE (KIPS)	NO. OF STRANDS	JACKING FORCE (KIPS)	E	F $\phi$	F <sub>b</sub>	F <sub>o</sub>				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

The number of harped strands should not exceed  $\frac{1}{2}$  of the number of straight strands.

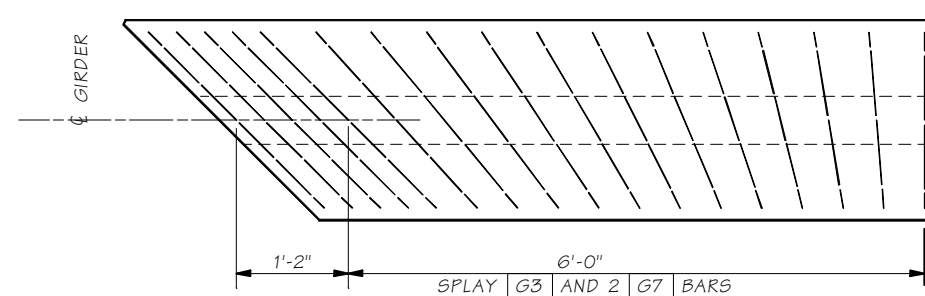
NOTE:  
Dimensions shall be shown in Imperial units to the nearest  $\frac{1}{8}$ ".



### ELEVATION



### PLAN BEARING RECESS AND BOTTOM FLANGE SPALL PROTECTION



### TRANSVERSE REINFORCING SKEWED ENDS

ONLY TRANSVERSE REINF. SHOWN

Bridge Design Engr.	M:\STANDARDS\Girders\Bulb Tee Girder\GIRDER DETAILS 2 OF 3.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By		JOB NUMBER				
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

Fri Oct 14 07:47:39 2011

BRIDGE AND STRUCTURES OFFICE



Washington State Department of Transportation

STANDARD PRESTRESSED CONCRETE GIRDERS

BULB TEE GIRDER DETAILS 2 OF 3

BRIDGE SHEET NO.
SHEET
OF
SHEETS

5.6-A5-4

SR JOB NO. SHEET